

**CONFIGURABLE ELECTRONIC CIRCUIT, IN PARTICULAR ONE
DEDICATED TO ARITHMETIC CALCULATIONS**

Abstract of the Disclosure

A configurable electronic circuit includes at least one tile that includes a plurality of cells interconnected. Each cell includes a multiplier, an arithmetic and logic unit for performing at least one arithmetic and/or logic function from a set of functions, a vertical bus, and a first configurable switching circuit connected to the vertical bus and to inputs of the multiplier. Each cell further includes a second configurable switching circuit connected to the vertical bus and to an output of the multiplier, a third configurable switching circuit connected to the vertical bus and to an output of the multiplier in a different cell, a fourth configurable switching circuit connected to the vertical bus and to inputs of the arithmetic and logic unit, and a fifth configurable switching circuit connected to the vertical bus and to an output of the arithmetic and logic unit.